

Gary N Parkinson

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

6,935
citations

411340

20
h-index

511568

30
g-index

31
all docs

31
docs citations

31
times ranked

5869
citing authors

#	ARTICLE	IF	CITATIONS
1	BMPQ-1 binds selectively to (3+1) hybrid topologies in human telomeric G-quadruplex multimers. <i>Nucleic Acids Research</i> , 2020, 48, 11259-11269.	6.5	21
2	Towards the Inhibition of Protein-Protein Interactions (PPIs) in STAT3: Insights into a New Class of Benzothiadiazole Derivatives. <i>Molecules</i> , 2020, 25, 3509.	1.7	1
3	Mechanistic In Situ and Ex Situ Studies of Phase Transformations in Molecular Co-Crystals. <i>Chemistry - A European Journal</i> , 2020, 26, 14645-14653.	1.7	4
4	Native de novo structural determinations of non-canonical nucleic acid motifs by X-ray crystallography at long wavelengths. <i>Nucleic Acids Research</i> , 2020, 48, 9886-9898.	6.5	13
5	X-Ray Crystallographic Studies of G-Quadruplex Structures. <i>Methods in Molecular Biology</i> , 2019, 2035, 131-155.	0.4	15
6	Near-infrared dual bioluminescence imaging in mouse models of cancer using infraluciferin. <i>ELife</i> , 2019, 8, .	2.8	47
7	A naphthalene diimide G-quadruplex ligand inhibits cell growth and down-regulates BCL-2 expression in an imatinib-resistant gastrointestinal cancer cell line. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 2958-2964.	1.4	23
8	G-quadruplex-binding small molecules ameliorate <i>C9orf72</i> FTD / ALS pathology <i>in vitro</i> and <i>in vivo</i> . <i>EMBO Molecular Medicine</i> , 2018, 10, 22-31.	3.3	178
9	Holliday Junctions Formed from Human Telomeric DNA. <i>Journal of the American Chemical Society</i> , 2018, 140, 15366-15374.	6.6	12
10	G-Quadruplexes (GQU). <i>Journal of Nucleic Acids</i> , 2018, 2018, 1-2.	0.8	3
11	Selectivity of major isoquinoline alkaloids from <i>Chelidonium majus</i> towards telomeric G-quadruplex: A study using a transition-FRET (t-FRET) assay. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 2020-2030.	1.1	38
12	Structural Insights into the Quadruplex-Duplex Interface Formed from a Telomeric Repeat: A Potential Molecular Target. <i>Journal of the American Chemical Society</i> , 2016, 138, 1226-1233.	6.6	56
13	G-quadruplexes: Emerging roles in neurodegenerative diseases and the non-coding transcriptome. <i>FEBS Letters</i> , 2015, 589, 1653-1668.	1.3	185
14	HELIX: a new modular nucleic acid crystallization screen. <i>Journal of Applied Crystallography</i> , 2014, 47, 948-955.	1.9	15
15	Crystal Structure of a Promoter Sequence in the <i>B-raf</i> Gene Reveals an Intertwined Dimer Quadruplex. <i>Journal of the American Chemical Society</i> , 2013, 135, 19319-19329.	6.6	45
16	Characterisation of Ilomastat for Prolonged Ocular Drug Release. <i>AAPS PharmSciTech</i> , 2012, 13, 1063-1072.	1.5	11
17	Crystal structure of a c-kit promoter quadruplex reveals the structural role of metal ions and water molecules in maintaining loop conformation. <i>Nucleic Acids Research</i> , 2012, 40, 4691-4700.	6.5	117
18	Structural Basis for Telomeric G-Quadruplex Targeting by Naphthalene Diimide Ligands. <i>Journal of the American Chemical Society</i> , 2012, 134, 2723-2731.	6.6	213

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19	Structural Basis of Telomeric RNA Quadruplex ⁺ Acridine Ligand Recognition. <i>Journal of the American Chemical Society</i> , 2011, 133, 2721-2728.	6.6	125
20	Characterization of Carbamazepine-Nicotinamide Cocrystal Polymorphs with Rapid Heating DSC and XRPD. <i>Crystal Growth and Design</i> , 2011, 11, 1177-1181.	1.4	28
21	A crystallographic and modelling study of a human telomeric RNA (TERRA) quadruplex. <i>Nucleic Acids Research</i> , 2010, 38, 5569-5580.	6.5	213
22	Crystal structures of PI3K-C2 ⁺ PX domain indicate conformational change associated with ligand binding. <i>BMC Structural Biology</i> , 2008, 8, 13.	2.3	9
23	Topology Conservation and Loop Flexibility in Quadruplex ⁺ Drug Recognition: Crystal Structures of Inter- and Intramolecular Telomeric DNA Quadruplex ⁺ Drug Complexes. <i>Journal of Molecular Biology</i> , 2008, 381, 1145-1156.	2.0	165
24	Molecular Dynamics and Principal Components Analysis of Human Telomeric Quadruplex Multimers. <i>Biophysical Journal</i> , 2008, 95, 296-311.	0.2	189
25	Crystallographic studies of quadruplex nucleic acids. <i>Methods</i> , 2007, 43, 252-263.	1.9	74
26	Structural Basis for Binding of Porphyrin to Human Telomeres,. <i>Biochemistry</i> , 2007, 46, 2390-2397.	1.2	303
27	Quadruplex DNA: sequence, topology and structure. <i>Nucleic Acids Research</i> , 2006, 34, 5402-5415.	6.5	2,049
28	Crystal Structure of the Potassium Form of an <i>Oxytricha nova</i> G-quadruplex. <i>Journal of Molecular Biology</i> , 2002, 320, 189-200.	2.0	317
29	Crystal structure of parallel quadruplexes from human telomeric DNA. <i>Nature</i> , 2002, 417, 876-880.	13.7	1,889
30	Telomere maintenance as a target for anticancer drug discovery. <i>Nature Reviews Drug Discovery</i> , 2002, 1, 383-393.	21.5	577